

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

Refine Search

Search Results -

Terms	Documents
rgb signal same (copy\$4 near2 prohibit\$5)	2

Database:

US Pre-Grant Publication Full-Text Database
 US Patents Full-Text Database
 US OCR Full-Text Database
 EPO Abstracts Database
 JPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Search:

L44

Search History

 DATE: Thursday, July 29, 2004 [Printable Copy](#) [Create Case](#)

<u>Set</u> <u>Name</u>	<u>Query</u>	<u>Hit</u> <u>Count</u>	<u>Set</u> <u>Name</u> result set
side by side			
<i>DB=USPT; PLUR=YES; OP=ADJ</i>			
<u>L1</u>	mark same position same discriminat\$6	701	<u>L1</u>
<u>L2</u>	L1 same pattern	137	<u>L2</u>
<u>L3</u>	L2 same image	46	<u>L3</u>
<u>L4</u>	L3 same color	5	<u>L4</u>
<u>L5</u>	(position\$3 near3 relat\$6) with pattern with (judg\$6 or disriminat\$5)	68	<u>L5</u>
<u>L6</u>	L5 same image	12	<u>L6</u>
<u>L7</u>	extract\$4 same (pattern or symbol or mark) same (judg\$6 or discriminat\$4) same (position\$4 near3 relat\$6)	23	<u>L7</u>
<u>L8</u>	L7 same imag\$3	9	<u>L8</u>
<u>L9</u>	specific pattern same extract\$4	215	<u>L9</u>
<u>L10</u>	L9 and mariam	5	<u>L10</u>
<u>L11</u>	pattern same extract\$4 same (judg\$6 or discriminat\$6) same (copied or copy\$3)	21	<u>L11</u>
<u>L12</u>	L11 same (densit\$3 or color)	6	<u>L12</u>

<u>L13</u>	L12 same position\$3	1	<u>L13</u>
<u>L14</u>	((original or input\$3) near3 image) same (color or density) same (mark or symbol) same position\$3	151	<u>L14</u>
<u>L15</u>	L14 same (relat\$6 near4 position\$3)	5	<u>L15</u>
<u>L16</u>	image near2 pattern near5 (discriminat\$3 or judg\$6)	341	<u>L16</u>
<u>L17</u>	(image near2 pattern near5 (discriminat\$3 or judg\$6)) same color	48	<u>L17</u>
<u>L18</u>	L17 same densit\$3	11	<u>L18</u>
<u>L19</u>	I5 same image	12	<u>L19</u>
<u>L20</u>	L19 same (inhibit\$5 or prohibit\$5 or prevent\$3)	0	<u>L20</u>
<u>L21</u>	(print\$3 or copy\$3) with (inhibit\$5 or prohibit\$5 or prevent\$3)	41958	<u>L21</u>
<u>L22</u>	L21 same image	9481	<u>L22</u>
<u>L23</u>	L22 same pattern	781	<u>L23</u>
<u>L24</u>	L23 same (densit\$3 or color)	275	<u>L24</u>
<u>L25</u>	L24 same (judg\$6 or discriminat\$4)	26	<u>L25</u>
<u>L26</u>	L25 same color	24	<u>L26</u>
<u>L27</u>	L26 same (densit\$3 or dense)	3	<u>L27</u>
<u>L28</u>	(print\$3 or copy\$3) with (inhibit\$5 or prohibit\$5 or prevent\$3) same color densit\$3	67	<u>L28</u>
<u>L29</u>	L28 same (position\$3 or locat\$3)	10	<u>L29</u>
<u>L30</u>	(extract\$3 near5 (mark\$1 or symbol\$1 or glyph or barcode)) same (relat\$6 near3 (position\$3 or location))	31	<u>L30</u>
<u>L31</u>	L30 same image	10	<u>L31</u>
<u>L32</u>	L31 same pattern	1	<u>L32</u>
<i>DB=JPAB; PLUR=YES; OP=ADJ</i>			
<u>L33</u>	(print\$3 or copy\$3) with (inhibit\$5 or prohibit\$5 or prevent\$3)	39289	<u>L33</u>
<u>L34</u>	L33 same (mark\$3 or symbol or glyph)	841	<u>L34</u>
<u>L35</u>	L34 same (image near5 pattern)	5	<u>L35</u>
<i>DB=USPT; PLUR=YES; OP=ADJ</i>			
<u>L36</u>	6128401.pn.	1	<u>L36</u>
<u>L37</u>	(3873974 3942154 4118122 4179685 4191940 4209843 4281921 4325981 4463386 4490846 4547896 4550433 4586811 4618257 4628194 4652914 4723147 4723149 4728984 4739377 4749087 4772958 4797945 4812904 4881268 4973851 5010580 5321470 5621810)! [pn]	29	<u>L37</u>
<u>L38</u>	(3873974 3942154 4118122 4179685 4191940 4209843 4281921 4325981 4463386 4490846 4547896 4550433 4586811 4618257 4628194 4652914 4723147 4723149 4728984 4739377 4749087 4772958 4797945 4812904 4881268 4973851 5010580 5321470 5621810)! [pn]	29	<u>L38</u>
<i>DB=TDBD; PLUR=YES; OP=ADJ</i>			
<u>L39</u>	copy prevention	4	<u>L39</u>
<i>DB=USPT,JPAB; PLUR=YES; OP=ADJ</i>			
<u>L40</u>	(copy\$5 or copier or print\$3) same (halt\$3 or stop\$5 or prevent\$4 or inhibit\$5 or prohibit\$5) same (color or rgb or red or green or blue) same image	5986	<u>L40</u>
<u>L41</u>	L40 same pattern	522	<u>L41</u>

L42 L41 same position\$4

112 L42

L43 L42 same extract\$5

4 L43

DB=USPT; PLUR=YES; OP=ADJ

L44 rgb signal same (copy\$4 near2 prohibit\$5)

2 L44

END OF SEARCH HISTORY

Type	L #	Hits	Search Text	Dbs	Time Stamp	Comments	Error Definition	Error Counts
1	IS&R	L1	263	(382/135).CCLS.	USPA T	2004/07/3 0 08:28		0
2	BRS	L2	980	color same (discriminat\$4 or judg\$6) same pattern\$1	USPA T	2004/07/3 0 08:29		0
3	BRS	L3	68	1 and 2	USPA T	2004/07/3 0 08:29		0
4	BRS	L4	470	2 same image\$1	USPA T	2004/07/3 0 08:29		0
5	BRS	L5	88	4 same position\$4	USPA T	2004/07/3 0 08:29		0
6	BRS	L6	29	5 same (feature\$1 or mark\$4 or symbol\$3 or icon\$1 or indicia or indicium)	USPA T	2004/07/3 0 08:30		0
7	BRS	L7	0	1 and 6	USPA T	2004/07/3 0 08:30		0
8	BRS	L9	0	1 and 8	USPA T	2004/07/3 0 08:31		0
9	BRS	L8	16	5 same (copy\$3 or copier or reproduc\$4 or forger\$3)	USPA T	2004/07/3 0 08:59		0
10	BRS	L10	299	((discriminat\$ or judg\$) near pattern\$) same image\$	USPA T	2004/07/3 0 08:42		0
11	BRS	L11	52	10 same extract\$4	USPA T	2004/07/3 0 08:42		0
12	BRS	L13	0	1 and 12	USPA T	2004/07/3 0 08:43		0
13	BRS	L12	11	11 same ((original\$1 or source or input\$5) near\$3 image\$1)	USPA T	2004/07/3 0 08:50		0

Type	L #	Hits	Search Text	Dbs	Time Stamp	Comments	Error Definition	Errors
14 BRS	L14	133	(prohibit\$ or inhibit\$ or prevent\$4 or forbid\$5) same pattern\$1 same extract\$4 same image\$1	USPA T	2004/07/3 0 08:51			0
15 BRS	L15	46	14 same (color\$1 or colour\$1) 15 same (coordinate\$1 or location\$1 or position\$3 or distance\$1)	USPA T	2004/07/3 0 08:51			0
16 BRS	L16	9	14 same (copy\$3 or copier or reproduc\$4 or forger\$3)	USPA T	2004/07/3 0 08:52			0
17 BRS	L17	48	14 same (copy\$3 or copier or reproduc\$4 or forger\$3)	USPA T	2004/07/3 0 08:59			0
18 BRS	L19	1	18 same densit\$3	USPA T	2004/07/3 0 09:00			0
19 BRS	L18	16	17 same (color\$1 or rgb or red or green or blue)	USPA T	2004/07/3 0 09:01			0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition	Errors
1	IS&R	L1	2061	(382/135,170,181,190,209,218,219,306).CCLS	USPA T	2004/08/02 16:15			0
2	IS&R	L2	732	(382/100).CCLS.	USPA T	2004/08/02 16:29			0

IEEE HOME | SEARCH IEEE | SHOP | WEB ACCOUNT | CONTACT IEEE



Membership Publications/Services Standards Conferences Careers/Jobs

IEEE Xplore®
 RELEASE 1.8

 Welcome
 United States Patent and Trademark Office


>> See

[Help](#) [FAQ](#) [Terms](#) [IEEE Peer Review](#)
[Quick Links](#)

Welcome to IEEE Xplore®

- ☐ Home
- ☐ What Can I Access?
- ☐ Log-out

Tables of Contents

- ☐ Journals & Magazines
- ☐ Conference Proceedings
- ☐ Standards

Search

- ☐ By Author
- ☐ Basic
- ☐ Advanced

Member Services

- ☐ Join IEEE
- ☐ Establish IEEE Web Account
- ☐ Access the IEEE Member Digital Library

IEEE Enterprise

- ☐ Access the IEEE Enterprise File Cabinet

Print Format

 Your search matched **9** of **1058483** documents.

 A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance Descending** order.

Refine This Search:

You may refine your search by editing the current search expression or enter a new one in the text box.

☐ Check to search within this result set

Results Key:

JNL = Journal or Magazine **CNF** = Conference **STD** = Standard
1 **Attacking visible watermarking schemes**
Chun-Hsiang Huang; Ja-Ling Wu;

Multimedia, IEEE Transactions on , Volume: 6 , Issue: 1 , Feb. 2004

Pages:16 - 30

[\[Abstract\]](#) [\[PDF Full-Text \(1248 KB\)\]](#) **IEEE JNL**
2 **Challenging search engines under copyright law: Part 1**
Stern, R.H.;

Micro, IEEE , Volume: 22 , Issue: 3 , May-June 2002

Pages:6 - 7

[\[Abstract\]](#) [\[PDF Full-Text \(1022 KB\)\]](#) **IEEE JNL**
3 **A buyer-seller watermarking protocol**
Memon, N.; Ping Wah Wong;

Image Processing, IEEE Transactions on , Volume: 10 , Issue: 4 , April 2001

Pages:643 - 649

[\[Abstract\]](#) [\[PDF Full-Text \(88 KB\)\]](#) **IEEE JNL**
4 **Robust template matching for affine resistant image watermarks**
Pereira, S.; Pun, T.;

Image Processing, IEEE Transactions on , Volume: 9 , Issue: 6 , June 2000

Pages:1123 - 1129

[\[Abstract\]](#) [\[PDF Full-Text \(148 KB\)\]](#) **IEEE JNL**
5 **Multiresolution watermarking for digital images**
Chion-Ting Hsu; Ja-Ling Wu;

Circuits and Systems II: Analog and Digital Signal Processing, IEEE Transacti
[see also Circuits and Systems II: Express Briefs, IEEE Transactions on] , Vol
45 , Issue: 8 , Aug. 1998
Pages:1097 - 1101

[\[Abstract\]](#) [\[PDF Full-Text \(144 KB\)\]](#) IEEE JNL

6 Authentication scheme using Walsh encoding of random patterns

Krukar, R.; Ahmed, N.; Park, D.;

Electromagnetic Compatibility, IEEE Transactions on , Volume: 30 , Issue: 3 ,
1988

Pages:407 - 412

[\[Abstract\]](#) [\[PDF Full-Text \(532 KB\)\]](#) IEEE JNL

7 Implementation of digital watermarking system

Yuk Ying Chung; Man To Wong;

Consumer Electronics, 2003. ICCE. 2003 IEEE International Conference on , 1
June 2003

Pages:214 - 215

[\[Abstract\]](#) [\[PDF Full-Text \(244 KB\)\]](#) IEEE CNF

8 Web ultrasound imaging simulator

Cachard, C.; Alecu, T.; Delachartre, P.; Janier, M.;

Ultrasonics Symposium, 2002. Proceedings. 2002 IEEE , Volume: 2 , 8-11 Oc
2002

Pages:1745 - 1748 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(323 KB\)\]](#) IEEE CNF

9 Invisible watermarking for digital video applications and challenges

Huggett, A.; Stubbings, C.;

Secure Images and Image Authentication (Ref. No. 2000/039), IEE Seminar
on , 10 April 2000

Pages:9/1 - 9/6

[\[Abstract\]](#) [\[PDF Full-Text \(508 KB\)\]](#) IEEE CNF

[Home](#) | [Log-out](#) | [Journals](#) | [Conference Proceedings](#) | [Standards](#) | [Search by Author](#) | [Basic Search](#) | [Advanced Search](#) | [Join IEEE](#) | [Web Account](#) |
[New this week](#) | [OPAC Linking Information](#) | [Your Feedback](#) | [Technical Support](#) | [Email Alerting](#) | [No Robots Please](#) | [Release Notes](#) | [IEEE Online](#)
[Publications](#) | [Help](#) | [FAQ](#) | [Terms](#) | [Back to Top](#)

Copyright © 2004 IEEE — All rights reserved

IEEE HOME | SEARCH IEEE | SHOP | WEB ACCOUNT | CONTACT IEEE



Membership Publications/Services Standards Conferences Careers/Jobs

IEEE Xplore®
 RELEASE 1.8

 Welcome
 United States Patent and Trademark Office


» Se

[Help](#) [FAQ](#) [Terms](#) [IEEE Peer Review](#)
[Quick Links](#)

Welcome to IEEE Xplore®

- ☐ Home
- ☐ What Can I Access?
- ☐ Log-out

Tables of Contents

- ☐ Journals & Magazines
- ☐ Conference Proceedings
- ☐ Standards

Search

- ☐ By Author
- ☐ Basic
- ☐ Advanced

Member Services

- ☐ Join IEEE
- ☐ Establish IEEE Web Account
- ☐ Access the IEEE Member Digital Library

IEEE Enterprise

- ☐ Access the IEEE Enterprise File Cabinet

Print Format

 Your search matched **38** of **1058483** documents.

 A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance Descending** order.

Refine This Search:

You may refine your search by editing the current search expression or enter a new one in the text box.

☐ Check to search within this result set

Results Key:

JNL = Journal or Magazine **CNF** = Conference **STD** = Standard

1 Collusion-secure and cost-effective detection of unlawful multimedia redistribution
Sebe, F.; Domingo-Ferrer, J.;

Systems, Man and Cybernetics, Part C, IEEE Transactions on , Volume: 33 , I 3 , Aug. 2003

Pages:382 - 389

[\[Abstract\]](#) [\[PDF Full-Text \(655 KB\)\]](#) **IEEE JNL**
2 The congressional corral [digital media copying prevention]
Samuelson, P.;

Spectrum, IEEE , Volume: 40 , Issue: 5 , May 2003

Pages:33 - 35

[\[Abstract\]](#) [\[PDF Full-Text \(432 KB\)\]](#) [\[Full-Text HTML\]](#) **IEEE JNL**
3 Lights, camera, controls! [DVD copying prevention]
Geier, M.J.;

Spectrum, IEEE , Volume: 40 , Issue: 5 , May 2003

Pages:28 - 31

[\[Abstract\]](#) [\[PDF Full-Text \(359 KB\)\]](#) **IEEE JNL**
4 A class of traceability codes
Lindkvist, T.; Lofvenberg, J.; Svanstrom, M.;

Information Theory, IEEE Transactions on , Volume: 48 , Issue: 7 , July 2002

Pages:2094 - 2096

[\[Abstract\]](#) [\[PDF Full-Text \(230 KB\)\]](#) **IEEE JNL**

5 Robust template matching for affine resistant image watermarks*Pereira, S.; Pun, T.;*Image Processing, IEEE Transactions on , Volume: 9 , Issue: 6 , June 2000
Pages:1123 - 1129[\[Abstract\]](#) [\[PDF Full-Text \(148 KB\)\]](#) **IEEE JNL****6 Information hiding-a survey***Petitcolas, F.A.P.; Anderson, R.J.; Kuhn, M.G.;*Proceedings of the IEEE , Volume: 87 , Issue: 7 , July 1999
Pages:1062 - 1078[\[Abstract\]](#) [\[PDF Full-Text \(496 KB\)\]](#) **IEEE JNL****7 A perspective: the role of identifiers in managing and protecting intellectual property in the digital age***Hill, K.;*Proceedings of the IEEE , Volume: 87 , Issue: 7 , July 1999
Pages:1228 - 1238[\[Abstract\]](#) [\[PDF Full-Text \(104 KB\)\]](#) **IEEE JNL****8 Multiresolution watermarking for digital images***Chion-Ting Hsu; Ja-Ling Wu;*Circuits and Systems II: Analog and Digital Signal Processing, IEEE Transactions on [see also Circuits and Systems II: Express Briefs, IEEE Transactions on] , Vol 45 , Issue: 8 , Aug. 1998
Pages:1097 - 1101[\[Abstract\]](#) [\[PDF Full-Text \(144 KB\)\]](#) **IEEE JNL****9 An intelligent streaming media video service system***Chao Huang; Jintao Li; Hongzhou Shi;*TENCON '02. Proceedings. 2002 IEEE Region 10 Conference on Computers, Communications, Control and Power Engineering , Volume: 1 , 28-31 Oct. 2002
Pages:5 - 10 vol.1[\[Abstract\]](#) [\[PDF Full-Text \(604 KB\)\]](#) **IEEE CNF****10 Remote MIB-item look-up service***Pras, A.; Boros, S.; Helthuis, B.;*Network Operations and Management Symposium, 2002. NOMS 2002. 2002 IEEE/IFIP , 15-19 April 2002
Pages:125 - 136[\[Abstract\]](#) [\[PDF Full-Text \(734 KB\)\]](#) **IEEE CNF****11 Non-noticeable information embedding in color images: marking and detection***Vidal, J.; Sayrol, E.; Cabanillas, S.; Santamaria, S.;*Security Technology, 1999. Proceedings. IEEE 33rd Annual 1999 International Carnahan Conference on , 5-7 Oct. 1999
Pages:293 - 297

[\[Abstract\]](#) [\[PDF Full-Text \(344 KB\)\]](#) IEEE CNF

12 **Invisible watermarking for digital video applications and challenge**
Huggett, A.; Stubbings, C.;

Secure Images and Image Authentication (Ref. No. 2000/039), IEE Seminar
on , 10 April 2000

Pages:9/1 - 9/6

[\[Abstract\]](#) [\[PDF Full-Text \(508 KB\)\]](#) IEE CNF

13 **Implementation of digital watermarking system**

Yuk Ying Chung; Man To Wong;

Consumer Electronics, 2003. ICCE. 2003 IEEE International Conference on , 1
June 2003

Pages:214 - 215

[\[Abstract\]](#) [\[PDF Full-Text \(244 KB\)\]](#) IEEE CNF

14 **Anti-circumvention misuse, or, how I learned to stop worrying and
the DMCA**

Burk, D.L.;

Technology and Society, 2002. (ISTAS'02). 2002 International Symposium or
June 2002

Pages:244 - 251

[\[Abstract\]](#) [\[PDF Full-Text \(559 KB\)\]](#) IEEE CNF

15 **Challenging search engines under copyright law: Part 1**

Stern, R.H.;

Micro, IEEE , Volume: 22 , Issue: 3 , May-June 2002

Pages:6 - 7

[\[Abstract\]](#) [\[PDF Full-Text \(1022 KB\)\]](#) IEEE JNL

[1](#) [2](#) [3](#) [Next](#)

[Home](#) | [Log-out](#) | [Journals](#) | [Conference Proceedings](#) | [Standards](#) | [Search by Author](#) | [Basic Search](#) | [Advanced Search](#) | [Join IEEE](#) | [Web Account](#) |
[New this week](#) | [OPAC Linking Information](#) | [Your Feedback](#) | [Technical Support](#) | [Email Alerting](#) | [No Robots Please](#) | [Release Notes](#) | [IEEE Online](#)
[Publications](#) | [Help](#) | [FAQ](#) | [Terms](#) | [Back to Top](#)

Copyright © 2004 IEEE — All rights reserved